Claims

1. Material for use in contact with drinking water as well as having microbe-resistant properties, based on a vulcanized rubber mixture, comprising a rubber component as well as usual mixture ingredients, characterized in that the rubber component is butyl rubber or a halogenated rubber.

2. Material according to claim 1, characterized in that the halogenated rubber is chlorobutyl rubber or bromobutyl rubber.

3. Material according to claim 1 or 2, characterized in that the rubber component is unblended.

4. Material according to one of claims 1 to 3, characterized in that the proportion of the rubber component is 30 to 70 wt.-%.

5. Material according to claim 4, characterized in that the proportion of the rubber component is 40 to 55 wt.-%.

6. Material according to one of claims 1 to 5, characterized in that the rubber mixture has a filler or a filler system on the basis of carbon black and/or silicic acids and/or silicates and/or chalk.

7. Material according to claim 6, characterized in that the rubber mixture has a filler system on the basis of carbon black, magnesium silicate, and chalk.

8. Material according to claim 6 or 7, characterized in that the proportion of carbon black is maximally 30 wt.-%.

9. Material according to claim 8, characterized in that the proportion of carbon black, is maximally 20 wt.-%,

10. Material according to one of claims 1 to 9, characterized in that the rubber mixture has a cross-linking system comprising a cross-linking agent and/or vulcanization agent as well as accelerator.

11. Material according to claim 10, characterized in that the cross-linking agent system comprises zinc oxide as a vulcanization activator and zinc N-dibenzyl-dithiocarbamate as an accelerator.

12. Material according to one of claims 1 to 11, characterized in that the rubber mixture is low in plasticizer, particularly free of plasticizer.

13. Use of the material according to one of claims 1 to 12 for the production of a hose (1) comprising a core (2) and cover (3), particularly in connection with an embedded

reinforcement support (4), as well as additional layers, if necessary, whereby in terms of material, at least the core is used for use in contact with drinking water, as well as equipped with microbe-resistant properties.

14. Use of the material according to claim 13 in combination with claim 12, whereby the rubber mixture for the core (2) is low in plasticizer, particularly free of plasticizer.

15. Use of the material according to claim 13 or 14 in combination with one of claims 1 to 11, whereby the rubber mixture for the cover (3) has a plasticizer.

16. Use of the material according to claim 15, whereby the proportion of the plasticizer is maximally 15 wt.-%.

17. Use of the material according to claim 16, whereby the proportion of the plasticizer is maximally 10 wt.-%.

18. Use of the material according to one of claims 13 to 17, whereby the core (2) is equipped with an inner layer (5), particularly a film layer, which stands directly in contact with the drinking water.

19. Use of the material according to claim 18, whereby the inner layer (5) consists of plastic, particularly polyethylene, which in turn is particularly non-cross-linked.

20. Use of the material according to one of claims 1 to 12 for the production of a membrane, particularly a settling basin membrane.

21. Use of the material according to claim 20 in combination with claim 12, whereby the rubber mixture is low in plasticizer, particularly free of plasticizer, for the entire membrane.

22. Use of the material according to claim 20 or 21, whereby the rubber mixture additionally contains an active inhibitor in terms of waste water technology.